



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Brasch *et al.*

Appl. No. 09/695,065

Filed: October 25, 2000

For: **Methods of Manipulating and  
Sequencing Nucleic Acid  
Molecules Using Transposition  
and Recombination**

Confirmation No. 1682

Art Unit: 1634

Examiner: Lu, Frank W.M.

Atty. Docket: 0942.5000001/RWE/BJD/T-M

### **Sixth Supplemental Information Disclosure Statement**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450  
Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

The numbering on this Sixth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Fifth Supplemental Information Disclosure Statement filed June 23, 2004, in connection with the above-captioned application.

Copies of documents **AT125**, **AR126-AT126** and **AR127** are not provided in accordance with the U.S. Patent and Trademark Office OG notice of October 19, 2004, which states: "the requirement in 37 C.F.R. § 1.98(a)(2)(iii) for a legible copy of the specification, including the claims, and drawings of each cited pending U.S. patent application (or portion of the application which caused it to be listed) is *sua sponte* waived where the cited pending application is stored in the USPTO's IFW system." A copy of each other document is provided.

The Examiner's attention is directed to the following co-pending U.S. Patent Applications, which are directed to related technical subject matter:

U.S. Patent Application No. 10/877,952, Welch *et al.*, filed July 28, 2004 and cited herewith as document **AT125**;

U.S. Patent Application No. 10/913,501, Chesnut *et al.*, filed August 9, 2004 and cited herewith as document **AR126**;

U.S. Patent Application No. 10/921,265, Hartley *et al.*, filed August 19, 2004 and cited herewith as document **AS126**;

U.S. Patent Application No. 10/970,635, Hanson, filed October 22, 2004 and cited herewith as document **AT126**; and

U.S. Patent Application No. 11/000,371, Chesnut *et al.*, filed December 1, 2004 and cited herewith as document **AR127**.

The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to these applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached Form PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Brian J. Del Buono  
Attorney for Applicants  
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356724\_1.DOC

FORM PTO-1449

**SIXTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.  
0942.5000001/RWE/BJD/T-M

APPLICATION NO.  
09/695,065

APPLICANT(S)  
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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**FOREIGN PATENT DOCUMENTS**

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR		
	AS	<u>119</u>	Ball, C.A., and Johnson, R.C., "Efficient Excision of Phage $\lambda$ from the <i>Escherichia coli</i> Chromosome Requires the Fis Protein," <i>J. Bacteriol.</i> 173: 4027-4031, American Society for Microbiology (1991)
	AT	<u>119</u>	Bruckner, R.C., and Cox, M.M., "The Histone-like H Protein of <i>Escherichia coli</i> is a ribosomal protein s3," <i>Nucl. Acids Res.</i> 17:3145-3161, Oxford University Press (1989)

EXAMINER

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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>120</u>	Hartley, J.L., <i>et al.</i> , "DNA Cloning Using In Vitro Site-Specific Recombination," <i>Genome Res.</i> 10:1788-1795, Cold Spring Harbor Laboratory Press (November 2000)
	AS	<u>120</u>	Heyman, J.A., <i>et al.</i> , "Genome-Scale Cloning and Expression of Individual Open Reading Frames Using Topoisomerase I-Mediated Ligation," <i>Genome Res.</i> 9:383-392, Cold Spring Harbor Laboratory Press (April 1999)
	AT	<u>120</u>	Lenski, R.E., <i>et al.</i> , "Genetic Analysis of a Plasmid-Encoded, Host Genotype-Specific Enhancement of Bacterial Fitness," <i>J. Bacteriol.</i> 176:3140-3147, American Society For Microbiology (1994)

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	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>121</u>	Ohara, O., and Temple, G., "Directional cDNA library construction assisted by the <i>in vitro</i> recombination reaction," <i>Nucl. Acids Research</i> 29:e22(1-8), Oxford University Press (February 2001)
	AS	<u>121</u>	Russell, M., "A recombination-based cloning system that decreases time to protein analysis," <i>Am. Biotechnol. Lab.</i> 18:8,10, International Scientific Communications, Inc. (June 2000)
	AT	<u>121</u>	Sinclair, B., "Honing Your Cloning," <i>The Scientist</i> 14:29-32, The Scientist Inc. (August 21, 2000) available at: <a href="http://www.the-scientist.com/yr2000/aug/profile1_000821.html">http://www.the-scientist.com/yr2000/aug/profile1_000821.html</a>

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	AR	<u>122</u>	Stuurman, J., <i>et al.</i> , "Single-site manipulation of tomato chromosomes <i>in vitro</i> and <i>in vivo</i> using Cre-lox site-specific recombination," <i>Plant Molecular Biology</i> 32:901-913, Kluwer Academic Publishers (November 27, 1996)
	AS	<u>122</u>	Office Action for U.S. Patent Application No. 09/907,719, mailed on July 13, 2004
	AT	<u>122</u>	Office Action for U.S. Patent Application No. 09/432,085, mailed on July 16, 2004

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	AR	<u>123</u>	Office Action for U.S. Patent Application No. 10/058,291, mailed on September 22, 2004
	AS	<u>123</u>	Office Action for U.S. Patent Application No. 10/058,292, mailed on September 22, 2004
	AT	<u>123</u>	Office Action for U.S. Patent Application No. 09/855,797, mailed on October 1, 2004

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	AR	<u>124</u>	Office Action for U.S. Patent Application No. 10/820,133 mailed on November 17, 2004
	AS	<u>124</u>	Office Action for U.S. Patent Application No. 09/907,719 mailed on December 28, 2004
	AT	<u>124</u>	Office Action for U.S. Patent Application No. 09/432,085, mailed on December 28, 2004

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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>125</u>	Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: <a href="http://web.archive.org/web/20010112191100/www.invitrogen.com/catalog_project/cat_echo.html">http://web.archive.org/web/20010112191100/www.invitrogen.com/catalog_project/cat_echo.html</a> (accessed July 7, 2004)
	AS	<u>125</u>	Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: <a href="http://invitrogen.com/content.cfm?pageid=3371&amp;cfid=16767784&amp;cftoken=62396683">http://invitrogen.com/content.cfm?pageid=3371&amp;cfid=16767784&amp;cftoken=62396683</a> (accessed July 7, 2004)
	AT	<u>125</u>	U.S. Patent Application No. 10/877,952, Welch <i>et al.</i> , filed 07/28/2004 (NOT PUBLISHED)

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	AR	<u>126</u>	U.S. Patent Application No. 10/913,501, Chesnut <i>et al.</i> , filed 08/09/2004 (NOT PUBLISHED)
	AS	<u>126</u>	U.S. Patent Application No. 10/921,265, Hartley <i>et al.</i> , filed 08/19/2004 (NOT PUBLISHED)
	AT	<u>126</u>	U.S. Patent Application No. 10/970,635, Hanson, filed 10/22/2004 (NOT PUBLISHED)

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	AR	<u>127</u>	U.S. Patent Application No. 11/000,371, Chesnut <i>et al.</i> , filed 12/01/2004 (NOT PUBLISHED)
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Alexandria, VA 22313-1450

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Copies of documents **AA20-AK20**, **AA21-AK21** and **AA22** are not provided in accordance with the Changes To Support Implementation of the United States Patent and Trademark Office 21st Century Strategic Plan, effective October 21, 2004, which states "section 1.98(a)(2)(i) is amended to eliminate the requirement in paragraph (a)(2)(i) for a copy of each U.S. patent or U.S. patent application publication listed in an IDS in a patent application regardless of the filing date of the application." A copy of each other document is provided.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to non-English language documents **AL20** and **AM20** cited on Form PTO 1449:

Document **AL20**, French Patent Publication No. FR 2 670 502, is in the French language. Document **AM20**, PCT Patent Publication No. WO 92/10577, is in the French language. An unverified English language abstract of documents **AL20** and **AM20** is attached as document **AS213**.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached Form PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

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## U.S. PATENT DOCUMENTS

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	AA20	4,808,537	02/28/1989	Stroman <i>et al.</i>			10/30/1984
	AB20	4,855,231	08/08/1989	Stroman <i>et al.</i>			09/25/1985
	AC20	4,959,217	09/25/1990	Sanders <i>et al.</i>			05/22/1986
	AD20	5,451,513	09/19/1995	Maliga <i>et al.</i>			08/25/1993
	AE20	5,654,182	08/05/1997	Wahl <i>et al.</i>			06/07/1995
	AF20	2002/0068290	06/06/2002	Yarovinsky			05/31/2001
	AG20	2002/0106797	08/08/2002	Miles <i>et al.</i>			03/12/2001
	AH20	2002/0182731	12/05/2002	Ji <i>et al.</i>			01/25/2002
	AI20	2003/0027289	02/06/2003	Farmer			04/05/2002
	AJ20	2003/0054555	03/20/2003	Farmer <i>et al.</i>			09/17/2002
	AK20	2003/0059900	03/27/2003	Farmer			01/17/2002

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	AM20	WO 92/10577	06/25/1992	WIPO			Yes X No
	AN20	WO 94/20604	09/15/1994	WIPO			Yes No
	AO20	WO 96/19497	06/27/1996	WIPO			Yes No
	AP20	WO 00/29000	05/25/2000	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	200	Agah, R., <i>et al.</i> , "Gene Recombination in Postmitotic Cells. Targeted Expression of Cre Recombinase Provokes Cardiac-restricted, Site-specific Rearrangement in Adult Ventricular Muscle In Vivo," <i>J. Clin. Invest.</i> 100:169-179, The American Society for Clinical Investigation, Inc. (July 1997)
	AS	200	Benoist, C. and Chambon, P., "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> 290:304-310, Macmillan Journals, Ltd. (1981)
	AT	200	Botstein, D., <i>et al.</i> , "Making Mutations <u>In Vitro</u> and Putting Them Back Into Yeast," in <i>From Gene to Protein: Translation into Biotechnology</i> , Ahmad, F., <i>et al.</i> , eds., Academic Press, New York, NY, pp. 265-274 (1982)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA21	2003/0153055	08/14/2003	Miles <i>et al.</i>			02/20/2003
	AB21	2003/0176644	09/18/2003	Byrd <i>et al.</i>			02/07/2002
	AC21	2003/0220249	11/27/2003	Hackett <i>et al.</i>			02/07/2003
	AD21	2004/0040053	02/26/2004	Nomura <i>et al.</i>			11/22/2002
	AE21	2004/0053412	03/18/2004	Hartley <i>et al.</i>			03/26/2003
	AF21	2004/0063207	04/01/2004	Hartley <i>et al.</i>			10/08/2003
	AG21	6,720,140	04/13/2004	Hartley <i>et al.</i>			02/04/2000
	AH21	2004/0171156	09/02/2004	Hartley <i>et al.</i>			04/02/2004
	AI21	2004/0171157	09/02/2004	Hartley <i>et al.</i>			04/08/2004
	AJ21	2004/0219516	11/04/2004	Bennett <i>et al.</i>			07/18/2003
	AK21	2004/0219673	11/04/2004	Hartley <i>et al.</i>			03/10/2004

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	AL21	WO 00/52027	09/08/2000	WIPO			Yes No
	AM21	WO 00/52141	09/08/2000	WIPO			Yes No
	AN21	WO 01/25466	04/12/2001	WIPO			Yes No
	AO21	WO 01/31039	05/03/2001	WIPO			Yes No
	AP21	WO 01/42509	06/14/2001	WIPO			Yes No

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	AR	<u>201</u>	Broach, J.R., "The Yeast Plasmid 2 $\mu$ Circle," <i>Cell</i> 28:203-204, MIT (1982)
	AS	<u>201</u>	Cenatiempo, Y., "Prokaryotic gene expression <i>in vitro</i> : transcription-translation coupled systems," <i>Biochimie</i> 68:505-515, Elsevier (1986)
	AT	<u>201</u>	Christiansen, B., <i>et al.</i> , "A Resolvase-Like Protein Is Required for the Site-Specific Integration of the Temperate Lactococcal Bacteriophage TP901-1," <i>J. Bacteriol.</i> 178:5164-5173, American Society for Microbiology (September 1996)

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**SEVENTH SUPPLEMENTAL  
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ATTY. DOCKET NO.  
0942.5000001/RWE/BJD/T-M

APPLICATION NO.  
09/695,065

APPLICANT(S)  
Brasch *et al.*

FILING DATE  
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	AA22	2004/0253631	12/16/2004	Hartley <i>et al.</i>			07/19/2004
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	AL22	WO 02/00875	01/03/2002	WIPO			Yes No
	AM22	WO 02/08391	01/31/2002	WIPO			Yes No
	AN22	WO 02/16594	02/28/2002	WIPO			Yes No
	AO22	WO 02/46372	06/13/2002	WIPO			Yes No
	AP22	WO 02/061034	08/08/2002	WIPO			Yes No

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	AR	<u>202</u>	Crellin, P.K. and Rood, J.I., "The Resolvase/Invertase Domain of the Site-Specific Recombinase TnpX Is Functional and Recognizes a Target Sequence That Resembles the Junction of the Circular Form of the <i>Clostridium perfringens</i> Transposon Tn4451," <i>J. Bacteriol.</i> 179:5148-5156, American Society for Microbiology (August 1997)
	AS	<u>202</u>	Ferrin, L.J. and Camerini-Otero, R.D., "Sequence-specific ligation of DNA using RecA protein," <i>Proc. Natl. Acad. Sci. USA</i> 95:2152-2157, National Academy of Sciences (March 1998)
	AT	<u>202</u>	Golic, K.G. and Golic, M.M., "Engineering the Drosophila Genome: Chromosome Rearrangements by Design," <i>Genetics</i> 144:1693-1711, The Genetics Society of America (1996)

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	AL23	WO 02/062957	08/15/2002	WIPO			Yes No
	AM23	WO 02/086144	10/31/2002	WIPO			Yes No
	AN23	WO 02/095055	11/28/2002	WIPO			Yes No
	AO23	WO 03/025161	03/27/2003	WIPO			Yes No
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	AR	<u>203</u>	Gottesman, S., "Bacterial Regulation: Global Regulatory Networks," <i>Ann. Rev. Genet.</i> 18:415-441, Annual Reviews, Inc. (1984)
	AS	<u>203</u>	Guo, F., <i>et al.</i> , "Structure of Cre recombinase complexed with DNA in a site-specific recombination synapse," <i>Nature</i> 389:40-46, Nature Publishing Group (September 1997)
	AT	<u>203</u>	Hallet, B. and Sherratt, D.J., "Transposition and site-specific recombination: adapting DNA cut-and-paste mechanisms to a variety of genetic rearrangements," <i>FEMS Microbiol. Rev.</i> 21:157-178, Elsevier Science B.V. (September 1997)

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	AL24	WO 03/103600	12/18/2003	WIPO			Yes No
	AM24	WO 04/009768	01/29/2004	WIPO			Yes No
	AN24	WO 04/013290	02/12/2004	WIPO			Yes No
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	AR	<u>204</u>	Hamer, D.H. and Walling, M., "Regulation <i>In Vivo</i> of a Cloned Mammalian Gene: Cadmium Induces the Transcription of a Mouse Metallothionein Gene in SV40 Vectors," <i>J. Mol. Appl. Genet.</i> 1:273-288, Raven Press (1982)
	AS	<u>204</u>	Hanks, S.K. and Hunter, T., "The eukaryotic protein kinase superfamily: kinase (catalytic) domain structure and classification," <i>FASEB J.</i> 9:576-596, The Federation of American Societies for Experimental Biology (May 1995)
	AT	<u>204</u>	Huang, L-C., <i>et al.</i> , "Convenient and Reversible Site-Specific Targeting of Exogenous DNA into a Bacterial Chromosome by Use of the FLP Recombinase: the FLIRT System," <i>J. Bacteriol.</i> 179:6076-6083, American Society for Microbiology (October 1997)

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	AR	<u>205</u>	John, Jr., J.F. and Twitty, J.A., "Plasmids as Epidemiologic Markers in Nosocomial Gram-Negative Bacilli: Experience at a University and Review of the Literature," <i>Rev. Infect. Dis.</i> 8:693-704, University of Chicago (1986)
	AS	<u>205</u>	Johnston, S.A. and Hopper, J.E., "Isolation of the yeast regulatory gene <i>GAL4</i> and analysis of its dosage effects on the galactose/melibiose regulon," <i>Proc. Natl. Acad. Sci. USA</i> 79:6971-6975, National Academy of Sciences (1982)
	AT	<u>205</u>	Kendall, K.J. and Cohen, S.N., "Plasmid Transfer in <i>Streptomyces lividans</i> : Identification of a <i>kil-kor</i> System Associated with the Transfer Region of pIJ101," <i>J. Bacteriol.</i> 169:4177-4183, American Society for Microbiology (1987)

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	AR	<u>206</u>	Lyznik, L.A., <i>et al.</i> , "Activity of yeast FLP recombinase in maize and rice protoplasts," <i>Nucleic Acids Res.</i> 21:969-975, Oxford University Press (1993)
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	AT	<u>206</u>	Mayer, B.J. and Baltimore, D., "Signalling through SH2 and SH3 domains," <i>Trends Cell Biol.</i> 3:8-13, Elsevier Science (1993)

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	AR	<u>207</u>	McKnight, S.L., "Functional Relationships between Transcriptional Control Signals of the Thymidine Kinase Gene of Herpes Simplex Virus," <i>Cell</i> 31:355-365, MIT (1982)
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	AR	<u>208</u>	Peterson, B.Ø. and Shuman, S., "Hisitidine 265 Is Important for Covalent Catalysis by Vaccinia Topoisomerase and Is Conserved in All Eukaryotic Type I Enzymes," <i>J. Biol. Chem.</i> 272:3891-3896, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997)
	AS	<u>208</u>	Rausch, H. and Lehmann, M., "Structural analysis of the actinophage ΦC31 attachment site," <i>Nucleic Acids Res.</i> 19:5187-5189, IRL Press (1991)
	AT	<u>208</u>	Sadowski, I., <i>et al.</i> , "A Noncatalytic Domain Conserved among Cytoplasmic Protein-Tyrosine Kinases Modifies the Kinase Function and Transforming Activity of Fujinami Sarcoma Virus P130 <sup>gag-fps</sup> ," <i>Mol. Cell. Biol.</i> 6:4396-4408, American Society for Microbiology (1986)

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	AR	<u>209</u>	Sauer, B. and Henderson, N., "Targeted Insertion of Exogenous DNA into the Eukaryotic Genome by the Cre Recombinase," <i>New Biol.</i> 2:441-449, Saunders Scientific Publications/W.B. Saunders Company (1990)
	AS	<u>209</u>	Senecoff, J.F., <i>et al.</i> , "The FLP recombinase of the yeast 2- $\mu$ m plasmid: Characterization of its recombination site," <i>Proc. Natl. Acad. Sci. USA</i> 82:7270-7274, National Academy of Sciences (1985)
	AT	<u>209</u>	Shaikh, A.C. and Sadowski, P.D., "The Cre Recombinase Cleaves the <i>lox</i> Site in <i>trans</i> ," <i>J. Biol. Chem.</i> 272:5695-5702, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997)

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	AR	<u>210</u>	Shirai, M., <i>et al.</i> , "Site-Specific Integration of the Actinophage R4 Genome into the Chromosome of <i>Streptomyces parvulus</i> upon Lysogenization," <i>J. Bacteriol.</i> 173:4237-4239, American Society for Microbiology (1991)
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	AR	<u>211</u>	Shuman, S., "Erratum: Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA. Minimal DNA Substrate for Strand Cleavage <i>In Vitro</i> ," <i>J. Biol. Chem.</i> 266:20576-20577, The American Society for Biochemistry and Molecular Biology, Inc. (1991)
	AS	<u>211</u>	Silver, P.A., <i>et al.</i> , "Amino terminus of the yeast <i>GAL4</i> gene product is sufficient for nuclear localization," <i>Proc. Natl. Acad. Sci. USA</i> 81:5951-5955, National Academy of Sciences (1984)
	AT	<u>211</u>	Stark, W.M., <i>et al.</i> , "Catalysis by site-specific recombinases," <i>Trends Genet.</i> 8:432-439, Elsevier Science (1992)

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	AS	<u>212</u>	van Deursen, J., <i>et al.</i> , "Cre-mediated site-specific translocation between nonhomologous mouse chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 92:7376-7380, National Academy of Sciences (1995)
	AT	<u>212</u>	Ward, J.M., <i>et al.</i> , "Construction and characterisation of a series of multi-copy promoter-probe plasmid vectors for <i>Streptomyces</i> using the aminoglycoside phosphotransferase gene from Tn5 as indicator," <i>Mol. Gen. Genet.</i> 203:468-478, Springer-Verlag (1986)

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	AA						
	AB						
	AC						
	AD						
	AE						
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	AH						
	AI						
	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>213</u>	Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: <a href="http://www.invitrogen.com/content.cfm?pageid=3799&amp;cfid=2897960&amp;cftoken=88086554">http://www.invitrogen.com/content.cfm?pageid=3799&amp;cfid=2897960&amp;cftoken=88086554</a>
	AS	<u>213</u>	Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201
	AT		

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